

GCSE (9–1) in Psychology

J203/01 Studies and applications in psychology 1

Sample Question Paper

Date – Morning/Afternoon

Time allowed: 1 hour 30 minutes

You must have:

- a scientific or graphical calculator



First name

Last name

Centre
number

Candidate
number

INSTRUCTIONS

- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes above with your name, centre number and candidate number.
- Answer **all** the questions.
- Write your answer to each question in the space provided.
- Where appropriate, your answers should be supported with working. Marks may be given for a correct method even if the answer is incorrect.
- If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

INFORMATION

- The total mark for this paper is **90**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document consists of **20** pages.

Section A
Psychological Problems

Answer **all** questions in this section.

1 (a) Identify the method used to gather data in Tandoc et al.'s (2015) study into Facebook use.

A experiment

B interview

C observation

D questionnaire

Your answer

[1]

(b) Identify the sample used in Tandoc et al.'s (2015) study.

A hospital doctors

B journalism students

C office workers

D psychology teachers

Your answer

[1]

(c) Identify a conclusion that can be drawn from Tandoc et al.'s (2015) study.

A Facebook use on its own does not link directly to depression

B Facebook use on its own links directly to depression

C Facebook envy does not link directly to depression

D Facebook surveillance does not correlate with Facebook envy

Your answer

[1]

2 Explain **one** way an individual diagnosed with a mental health problem may experience stigma and discrimination.

.....
..... [2]

3 Outline the impact of neurological damage to the frontal lobe.

.....
..... [2]

4 Daniel, Weinberger and Jones (1991) used a laboratory experiment to investigate schizophrenia.

(a) (i) Identify the independent variable in this study.
..... [1]

(ii) Identify the dependent variable in this study.
..... [1]

(b) Explain why this study was **not** conducted as a natural experiment.
.....
..... [2]

5 Describe **one** weakness of the Social Drift theory as an explanation for schizophrenia.

.....
.....
..... [3]

- 6 (a) Which neurotransmitter is thought to contribute to the development of schizophrenia?

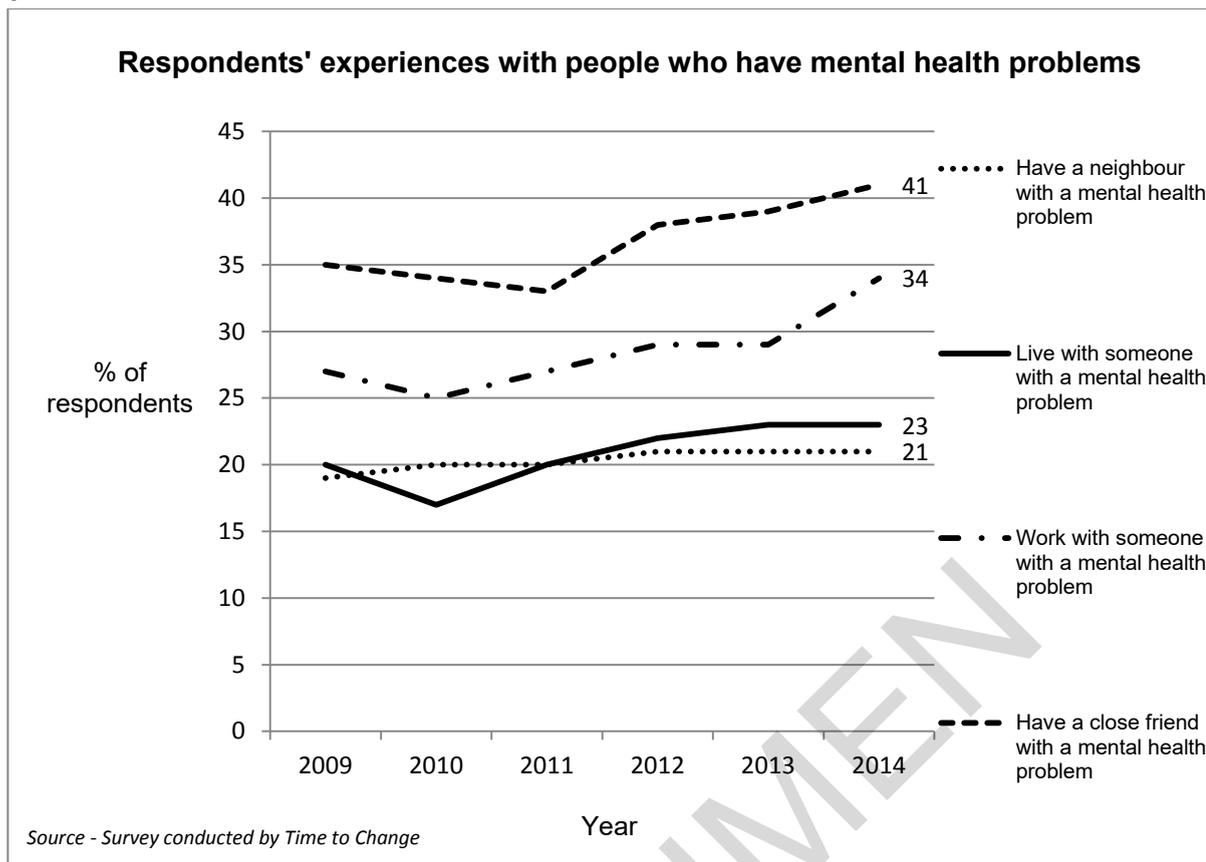
.....[1]

- (b) A researcher wants to study the effect cognitive behavioural therapy (CBT) had on patients diagnosed with schizophrenia to see if there was a difference between those who had CBT and those who had not. Identify the independent variable in his study.

.....[1]

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(a) Calculate the percentage increase in respondents who lived with someone with a mental health problem in 2014 compared with 2009. Show your working.

SPECIMEN

Percentage increase = [2]

(b) Calculate the percentage of respondents who did **not** have a close friend with a mental health problem in 2014. Show your workings.

Percentage of respondents = [2]

8 The ABC Model is a psychological theory that can be applied to clinical depression. The 'B' represents beliefs about an event.

(a) Outline **one** criticism of the ABC Model of clinical depression.

.....
..... [2]

(b) Frank was playing the latest video game online. Following the completion of the game, he sent his opponent a message requesting a rematch. The request was ignored. Frank became angry, believing his opponent hated him and broke his controller by throwing it against a wall.

Explain how a belief about an event could lead Frank into reacting this way.
.....
..... [2]

Section B
Criminal Psychology

Answer **all** questions in this section.

- 9 (a)** Identify the control condition in Cooper and Mackie's (1986) study into the effects of video games on aggression in children.

- A** maze-solving
- B** problem-solving
- C** puzzle-solving
- D** question-solving

Your answer

[1]

- (b)** Identify a way the sample used in Cooper and Mackie's (1986) study was unrepresentative.

- A** only included boys
- B** only included children from America
- C** only included children from Australia
- D** only included girls

Your answer

[1]

- (c)** Identify a strength of the procedure used in Cooper and Mackie's (1986) study.

- A** consent was gained from the children's class teachers.
- B** consent was gained from the children's doctors.
- C** consent was gained from the children's head teachers.
- D** consent was gained from the children's parents.

Your answer

[1]

10 Eysenck devised a Criminal Personality Theory.

(a) State what is meant by extroversion in relation to criminal behaviour.

.....
..... [2]

(b) A psychologist wanted to investigate the neuropsychology involved in extraversion. Outline one way she could carry out her investigation.

.....
..... [2]

(c) Outline **one** criticism of Eysenck's theory.

.....
..... [2]

11 Participants in Heaven's (1996) study into personality and delinquency completed questionnaires which included rating scales.

(a) Explain **one** strength of questionnaires as used in this study.

.....
..... [2]

(b) Explain **one** way that the procedure of Heaven's study could be improved.

.....
..... [2]

12 Outline the process of synaptic transmission.

.....

.....[2]

13 The table below shows crime figures for town X.

Table showing the total number of crimes reported in town X

	Crime type		
	Violent	Drug related	Acquisitive
Number of crimes reported over a year	20	15	35

Using the table above:

(a) Sketch a bar chart to represent the crime figures for town X.



[4]

(b) Identify which type of crime would give the modal class.

.....[1]

(c) Name **one** other type of crime that may not have been reported in town X.

.....[1]

14 Describe how restorative justice can help to reduce acquisitive reoffending.

.....
.....
.....[3]

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**Section C
Development**

Answer **all** questions in this section.

15 (a) Identify which of the following are part of brain development.

- A** neurons and blood cells
- B** neurons and ventricles
- C** neurons and synapses
- D** synapses and dopamine

Your answer

[1]

(b) Identify which of the following statements describes a synapse.

- A** gap between two nerve cells
- B** joining between two nerves
- C** junction between two cells
- D** where a nerve ends

Your answer

[1]

(c) Identify the area of the brain that controls movement.

- A** cerebellum
- B** forebrain
- C** hypothalamus
- D** limbic system

Your answer

[1]

16

School reports

A teacher wrote the following:

Hannah understands that her talents and abilities can be developed through effort and persistence. She tries to improve by working hard at all times.

Lucia believes her basic ability, intelligence and talents are unchangeable traits. She tries to be clever all the time.

Dweck proposed that individuals have either a fixed or a growth mindset.

(a) Using the source, identify which girl Dweck would suggest has a fixed mindset.

..... [1]

(b) Outline how the teacher could use praise to develop a growth mindset.

.....
 [2]

17

A psychologist wanted to replicate Blackwell et al.'s study into fixed and growth mindsets. She used 300 American students from her college in New York as indicated in the table below:

Age:	Number of:	
	Male Students	Female Students
13-14	49	51
15-16	55	45
16-17	45	55

Explain **one** strength of the sample used in this study

.....
 [2]

- 18 (a) Outline what Piaget meant by the concept of egocentrism.

.....

..... [2]

- (b) Give one example of how a child may show egocentrism when playing with others.

..... [1]

Turn over for the next question

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Section D
Research Methods – Designing an Investigation

Answer **all** questions in this section.

You have been asked to carry out an **experiment** to investigate whether noise affects reading speed. The theory is that people will take longer to read a passage from a book when there is a lot of background noise than when it is silent.

Use this space to plan your investigation.

20 State an alternative hypothesis for your investigation.

.....
 [2]

21 (a) What experimental design would you choose in your investigation? Justify your answer.

.....
 [2]

(b) Describe **one** strength of using this experimental design in your investigation.

..... [1]

22 Outline the procedure you would use in your investigation.

.....
.....
.....
..... [4]

23 Explain how **one** ethical issue may impact on your investigation.

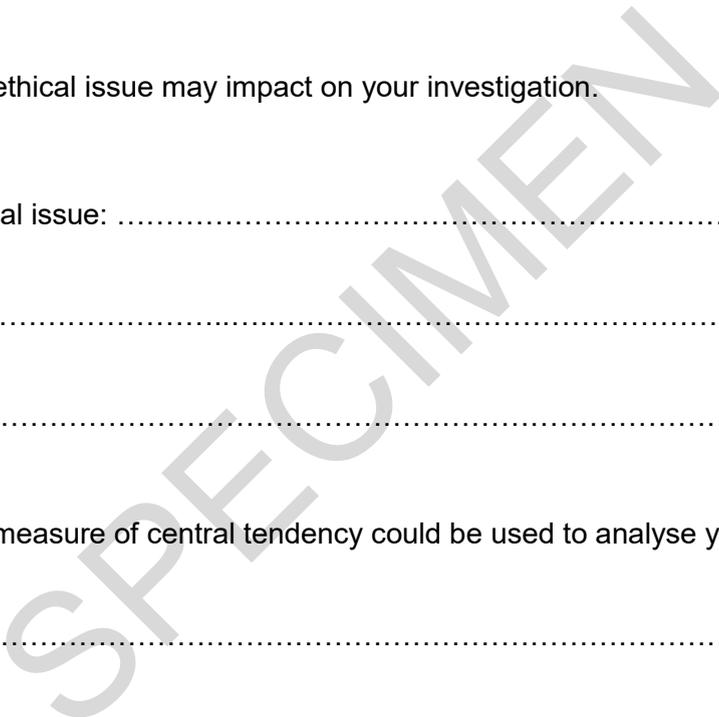
Your chosen ethical issue:

Impact:

..... [3]

24 Explain how **one** measure of central tendency could be used to analyse your data.

.....
..... [2]



25 Describe **two** weaknesses of using an experiment for your investigation.

1.....

.....

2.....

.....

[4]

END OF QUESTION PAPER

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